U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE PROGRESS REPORT

I. HEADING

Date: July 31, 1998

From: Janice J. Kroone, OSC
U.S. EPA, Region VII

To: Paul Nadeau, Director (5203G)
Regions 5/7 Accelerated Response Center

Subject: Mid-America Refinery Company (MARCO)
Chanute, Neosho County, Kansas

Report: #24

II. BACKGROUND

EPA/IAG Identification Number: RW69952132-01-0
FPN: 088040
Contract Number: 68-S7-7001
Order Number: 0013
Response Authority: OPA
State Notification: KDHE Notified
Date IAG Signed by Coast Guard: December 29, 1997
Date IAG Signed by EPA: February 3, 1998
Mob Date: February 17, 1998
Demobilization Date: N/A
Completion Date: N/A

III. SITE INFORMATION

A. Incident Category

Activities at this site are pursuant to Section 311(c) Federal Water Pollution Control Act (FWPCA), as amended by the Oil Pollution Act of 1990 (OPA), Public Law 101-380, in accordance with the National Contingency Plan (NCP).

This site is an inactive oil refinery located north of a residential area.

B. Site Description

1. The Mid-America Refinery Company(MARCO) located in Neosho County, Kansas, north of the city limits of Chanute, is a 25-acre abandoned oil refinery. This facility operated as a crude oil processor from 1934 until it was shut down in February

1981. Residential property lies immediately to the south and west of the facility and commercial properties border the east and north boundaries. Portions of this site are located in a plain, and flooded in 1994. Surface runoff from the site flows into an ephemeral tributary, which empties into the east-west trending Village Creek, which is part of the Neosho River Basin. The Neosho River is the primary source of drinking water for the City of Chanute.

Refer to POLREP #1 for complete site description.

2. Description of Threat

The deteriorated condition of the tanks and the eroded underground and aboveground piping, all of which still contain petroleum materials, as well as the oil-contaminated soils continually discharge into an ephemeral tributary, which empties into Village Creek and eventually into the Neosho River, which is the habitat of the "Kansas Madtom," an endangered fish species. This discharge is considered a threat to public health and the environment.

Refer to POLREP #1 for a more complete description of threat.

C. Previous Site Actions

1. Investigative History

Refer to POLREP #1.

2. Past removal actions

On July 9, 1994, an Action Memorandum was signed by EPA. EPA began the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) clean-up in August 1994 and the action was completed in March 1995. This removal cost approximately $1,192,731.

IV. RESPONSE INFORMATION

A. Situation

1. Current Situation

This POLREP covers the period from July 27 - 31, 1998. Weather conditions all week were cloudy and overcast. Temperatures were in the mid to upper 80s and it rained each day. Work on site continued despite the rain, but on Tuesday, July 28,

the landfill closed down because that area received hail and rain the night before. There were concerns that the dump trucks and loaders would not be able to safely maneuver the steep incline at the landfill since the ground was saturated.

2. Removal Activities to Date

For this week, a total of 6,188.74 tons, 238 loads of petroleum contaminated soils were transported to the ADS Resource Recovery Landfill in Cherryvale, Kansas.

75,870 gallons of contaminated runoff water were treated utilizing the Springfield Belle this week.

5,936 tons of petroleum contaminated soil were excavated in Zones 1 and 5 this week.

14 tons of petroleum contaminated soil were excavated in Zone 4.

56 tons of petroleum contaminated soil and sludge were excavated from Tank #197.

14 tons of petroleum contaminated soil were excavated from Tank Berm #48.

218.725 tons, consisting of 22 loads of construction debris were loaded out and disposed of at Proper Disposal in Chanute, Kansas.

3. Enforcement

Refer to POLREP #1 for details.

B. Next Steps

Continue transportation and disposal of petroleum contaminated soils to the ADS Resource Recovery landfill in Cherryvale, Kansas.

Continue to excavate petroleum contaminated soils and stockpile material until transportation and disposal is arranged.

The Springfield Belle will continue to treat contaminated runoff in the holding pond.

The site will be regraded and reseeded to control water runoff from the site.

The asbestos removal is scheduled to begin next week.

C. Key Issues

None.

V. COST INFORMATION (as of July 18, 1998)

A. Extramural Costs:

1. ERRS Contractor

Amount in Delivery Order was increased by $1,342,650 Current Amount in Delivery Order	3,062,530
Costs to date (not including awaits) (Cost reflects a credit to the job of $50,105 for scrap metal.)	1,054,701
DELIVERY ORDER CEILING BALANCE	2,007,829
PERCENT OF ERRS FUNDS REMAINING	66%

2. START Contractor

Current Ceiling	285,120
Costs to date	82,743
CEILING BALANCE	202,377
PERCENT OF START FUNDS REMAINING	71%

TOTAL EXTRAMURAL CEILING	$3,347,650
TOTAL EXTRAMURAL COSTS TO DATE	1,137,444
TOTAL EXTRAMURAL CEILING BALANCE	$2,210,206

B. Intramural Costs:

Current Ceiling	188,640
Actual Costs to date	48,519
TOTAL INTRAMURAL CEILING BALANCE	$140,121

TOTAL PROJECT CEILING FROM COAST GUARD IAG	$3,536,290
TOTAL EXTRAMURAL AND INTRAMURAL COST TO DATE	1,185,963

TOTAL PROJECT CEILING REMAINING $2,350,327

The above accounting of expenditures is an estimate based on figures known to the EPA OSC at the time this POLREP was written. It reflects costs EPA costs incurred onsite.

VI. DISPOSITION OF WASTES

19,231.75 tons, 636 loads of petroleum contaminated soil was transported to the ADS Resource Recovery, Inc. landfill in Cherryvale, Kansas.

60,525 gallons of petroleum contaminated water was shipped to Great Plains Environmental, Chanute, Kansas for treatment.

A total of 55,306 gallons of hot oil has been shipped. This includes 5,824 gallons to Everclear in Austintown, Ohio; 12,510 gallons to System Environmental in Fredonia, Kansas and 36,972 gallons shipped to Heartland Cement in Independence, Kansas.

A total of 26,232.61 gallons (255.12 tons) of solidified sludge was sent to the ADS Resource Recovery, Inc. landfill in Cherryvale, Kansas.

A total of 2,406,430 gallons of contaminated runoff has been treated through the Springfield Belle.

A total of 1,002.10 tons of scrap metal has been sent to American Compressed Steel, Kansas City, Missouri for recycle.

A total of 219.15 tons, 22 loads of construction debris has been sent to Proper Disposal, Chanute, Kansas.

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